



FOSHAN GOODHEAT TECHNOLOGY LTD

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Specification - GOODHEAT R290 Sanitary Hot Water Heat Pump								
HEAT PUMP PARAMETERS		GHWSVB-100AA1	GHWSVB-120AA1	GHWSVB-150AB1	GHWSVB-150AA1	GHWSVB-200AA1	GHWSVB-250AA1	GHWSVB-300AA1
Installation Type:	/	Wall-mounted	Wall-mounted	Wall-mounted	Floor standing	Floor standing	Floor standing	Floor standing
Power supply	V/Ph/Hz	220-240~1/1/50						
Water tank Volume	L	100	120	150	150	200	250	300
Tapping cycle****	/	M	M	L	L	L	XL	XL
Norminal Heating Capacity *	kW	1.1				1.6		
Energy Class		A+						
* Heating Capacity at Air 7℃/6℃,Water 15℃ in, 55℃ out								
Heating Capacity	kW	0,80	0,82	0,84	0,84	1,23	1,30	1,30
Heating Time	H	5,16	6,13	7,18	7,18	6,62	9,77	9,77
COP	/	2,65	2,65	2,82	2,82	2,93	3,1	3,15
Standby power input(7/6℃)***	W	30						
Water Heating Energy Efficiency	/	113,76%	113,72%	118,99%	118,99%	122,47%	127,80%	129,60%
Heating Capacity at Air 14℃/13℃, Water 15℃ in, 55℃ out								
Heating Capacity	kW	0,94	0,97	1,00	1,00	1,41	1,43	1,43
COP	/	3,05	3,2	3,34	3,34	3,42	3,53	3,53
* Heating Capacity at Air 20℃/15℃, Water 15℃ in, 55℃ out								
Heating Capacity	kW	0,95	0,98	1,03	1,03	1,48	1,5	1,5
COP	/	3,24	3,45	3,56	3,56	3,65	3,71	3,75
Refrigerant/charge	/	R290/150g						
Electric Heater	kW	1,6						
Sound power level *****	dB(A)	55						
Max.Water Outlet Temp. (without using backup heater)	℃	60						
Max. Water Outlet Temp.	℃	70						
Operation Range	℃	-7~45						
Water Outlet Temp. setting range	℃	10-70						
Rated Power	W	400+1600 (e-heater)				900+1600 (e-heater)		
Rated Current	A	2.1 +7.1 (e-heater)				3.9 +7.1 (e-heater)		
Rated water yield*	L/H	23,6				34,4		
Air flow	m3/h	500				450		
Unit protection Indoor unit (IP xx)		IPX1						
TANK								
Max allowed pressure of tank	bar	10						
Inner Tank Material		Duplex 2101 /2205, 304 /316L						
Inner tank thickness	mm	1				1.2		
Insulation material		Polyurethane						
Thickness of the tank insulation	mm	50						
Outside tank material		Galvanized steel						
Outside tank thickness	mm	0,6						
Coating thickness of the tank cover	mm	0,05						
Duct diameter	mm	150						
CONNECTIONS AND DIMENSIONS								
Hot water outlet	inch	G 1/2				G 3/4		
Cold water inlet	inch	G 1/2				G 3/4		
Size of water drain	inch	G 1/2				G 3/4		
Condensed water outlet	inch	G 1/2						
Net Dimensions (L/W/H)	mm	Ø510*1240	Ø510*1390	Ø510*1616	Ø510*1616	Ø570*1720	Ø650*1626	Ø650*1826
Packing Dimensions (L/W/H)	mm	570*570*1280	570*570*1550	570*570*1800	570*570*1730	640*640*1850	720*720*1756	720*720*1956
夹板箱包装尺寸(体积重)	kg					140		
Net Weight	Kg	45	48	53	53	66	73	80
Gross Weight	Kg	61	68	76	76	81	91	100
夹板箱包装重量	kg					110		
Loading quantity of 20GP	pcs	38	38	38	38	27	24	24
Loading quantity of 40GP	pcs	76	76	76	76	54	48	48
Loading quantity of 40HQ	pcs	152	76	76	76	54	48	48
(*) Capacities and power inputs based on the following conditions: - Heating: Ambient temperature 20℃/15℃, Water temperature from 15℃ to 55℃. (**) Capacities and Heating Time based on ERP(EN16147) for Stage A ; (***)Standby power input based on ERP(EN16147) for Stage B ; (****)COP and Energy Class based on ERP(EN16147) for Stage C with tapping cycle M / L / XL (*****)Noise is tested according to EN 12102 with water 50℃								

Note: The data above is for reference only. Please refer to the nameplate on the unit if for more specific data.